

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

TANG, Y. Tom

CORLEY, Neil C.

GUEGLER, Karl J.

YUE, Henry

BAUGHN, Mariah R.

LAL, Preeti

HILLMAN, Jennifer L.

BANDMAN, Olga

AZIMZAI, Yalda

AU-YOUNG, Janice

<120> HUMAN CELL SURFACE RECEPTOR PROTEINS

<130> PF-0636 PCT

<140> To Be Assigned

<141> Herewith

<150> 09/121,280; unassigned; 09/206,647; unassigned; 60/123,404

<151> 1998-11-12; 1998-11-12; 1998-12-07; 1998-12-07; 1999-03-08

<160> 26

<170> PERL Program

<210> 1

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2355971CD1

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Cys	Gly	Pro	Leu	Leu	Ser	Ala	Arg	Thr	Arg	Ala	Arg	Arg	Pro	Gly
			20						25					30
Glu	Arg	Cys	Thr	Gly	Met	Gly	Cys	Ala	Gly	Gly	Gly	Thr	Pro	Arg
			35						40					45
Gly	Asp	Cys	Gly	Gly	His	Cys	Cys	Asp	Phe	Ser	Ser	Pro	Leu	Pro
			50						55					60
Gln	Phe	Pro	Pro	Lys	Ala	Lys	Leu	Ala	Phe	Gly	Leu	Arg	Ser	Gly
			65						70					75
Val	Phe	Ser	Ser	His	Val									
					80									

<210> 2

<211> 140

<212> PRT

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Pro Gly Pro Asn Arg Glu Phe Ser Ile Thr Val Val Gln Lys Ala
 125 130 135
 Asp Ser Gly His Tyr His Cys Ser Gly Ile Phe Gln Ser Pro Gly
 140 145 150
 Pro Gly Ile Pro Glu Thr Ala Ser Val Val Ala Ile Thr Val Gln
 155 160 165
 Glu Leu Phe Pro Ala Pro Ile Leu Arg Ala Leu Pro Ser Ala Glu
 170 175 180
 Pro Gln Ala Gly Gly Pro Met Thr Leu Ser Cys Gln Thr Lys Leu
 185 190 195
 Pro Leu Gln Arg Ser Ala Ala Arg Leu Leu Phe Ser Phe Tyr Lys
 200 205 210
 Asp Gly Arg Ile Val Gln Ser Arg Gly Leu Ser Ser Glu Phe Gln
 215 220 225
 Ile Pro Thr Ala Ser Glu Asp His Ser Gly Ser Tyr Trp Cys Glu
 230 235 240
 Ala Ala Thr Glu Asp Asn Gln Val Trp Lys Gln Ser Pro Gln Leu
 245 250 255
 Glu Ile Arg Val Gln Gly Ala Ser Ser Ser Ala Ala Pro Pro Thr
 260 265 270
 Leu Asn Pro Ala Pro Gln Lys Ser Ala Ala Pro Gly Thr Ala Pro
 275 280 285
 Glu Glu Ala Pro Gly Pro Leu Pro Pro Pro Pro Thr Pro Ser Ser
 290 295 300
 Glu Asp Pro Gly Phe Ser Ser Pro Leu Gly Met Pro Asp Pro His
 305 310 315
 Leu Tyr His Gln Met Gly Leu Leu Leu Lys His Met Gln Asp Val
 320 325 330
 Arg Val Leu Leu Gly His Leu Leu Met Glu Leu Arg Glu Leu Ser
 335 340 345
 Gly His Arg Lys Pro Gly Thr Thr Lys Ala Thr Ala Glu
 350 355

<210> 4

<211> 201

<212> PRT

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1368760CD1

<400> 4

Met Ala Arg Gln Lys Lys Met Gly Gln Ser Val Leu Arg Ala Val
 1 5 10 15
 Phe Phe Leu Val Leu Gly Leu Leu Gly His Ser His Gly Gly Phe
 20 25 30
 Pro Asn Thr Ile Ser Ile Gly Gly Leu Phe Met Arg Asn Thr Val
 35 40 45
 Gln Glu His Ser Ala Phe Arg Phe Ala Val Gln Leu Tyr Asn Thr
 50 55 60
 Asn Gln Asn Thr Thr Glu Lys Pro Phe His Leu Asn Tyr His Val
 65 70 75
 Asp Leu Leu Asp Ser Ser Asn Ser Phe Ser Val Thr Asn Ala Phe

[illegible]

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<210> 5
<211> 117
<212> PRT
<213> Homo sapiens
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<223> Incyte ID No: 1670669CD1
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<400> 5														
Met	Asp	His	Leu	Gly	Ala	Ser	Leu	Trp	Pro	Gln	Val	Gly	Ser	Leu
1				5					10					15
Cys	Leu	Leu	Leu	Ala	Gly	Ala	Ala	Trp	Ala	Pro	Pro	Pro	Asn	Leu
				20					25					30
Pro	Asp	Pro	Lys	Phe	Glu	Ser	Lys	Ala	Ala	Leu	Leu	Ala	Ala	Arg
				35					40					45
Gly	Pro	Glu	Glu	Leu	Leu	Cys	Phe	Thr	Glu	Arg	Val	Gly	Gly	Leu
				50					55					60
Gly	Met	Ser	His	Gly	Lys	Leu	Cys	Arg	Leu	His	Gln	Ala	Pro	Thr
				65					70					75
Ala	Arg	Gly	Gly	Gly	Ala	Leu	Leu	Val	Cys	Ala	Ala	Tyr	Arg	Arg
				80					85					90
His	Val	Glu	Leu	Arg	Ala	Pro	Arg	Val	Gly	Arg	His	Ser	Ser	Leu
				95					100					105
Arg	Arg	Ser	Ala	Ile	Ser	Pro	Cys	His	Pro	His	Gln			
				110					115					

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<210> 6
<211> 455
<212> PRT
<213> Homo sapiens
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<220>  
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<223> Incyte ID No: 2851578CD1
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<400> 6

Met	Glu	Gly	Gly	Arg	Ala	Ala	Gly	Phe	Pro	Leu	Ala	Cys	Lys	Gln
1				5					10					15
Glu	His	Arg	Val	Phe	Leu	Ser	Gly	Cys	Glu	Asn	Ala	Asp	Glu	Asn
				20					25					30
Pro	Arg	Met	Leu	Cys	His	Arg	Gly	Gly	Gln	Leu	Ile	Val	Pro	Ile
				35					40					45
Ile	Pro	Leu	Cys	Pro	Glu	His	Ser	Cys	Arg	Gly	Arg	Arg	Leu	Gln
				50					55					60
Asn	Leu	Leu	Ser	Gly	Pro	Trp	Pro	Lys	Gln	Pro	Met	Glu	Leu	His
				65					70					75
Asn	Leu	Ser	Ser	Pro	Ser	Pro	Ser	Leu	Ser	Ser	Ser	Val	Leu	Pro
				80					85					90
Pro	Ser	Phe	Ser	Pro	Ser	Pro	Ser	Ser	Ala	Pro	Ser	Ala	Phe	Thr
				95					100					105
Thr	Val	Gly	Gly	Ser	Ser	Gly	Gly	Pro	Cys	His	Pro	Thr	Ser	Ser
				110					115					120
Ser	Leu	Val	Ser	Ala	Phe	Leu	Ala	Pro	Ile	Leu	Ala	Leu	Glu	Phe
				125					130					135
Val	Leu	Gly	Leu	Val	Gly	Asn	Ser	Leu	Ala	Leu	Phe	Ile	Phe	Cys
				140					145					150
Ile	His	Thr	Arg	Pro	Trp	Thr	Ser	Asn	Thr	Val	Phe	Leu	Val	Ser
				155					160					165
Leu	Val	Ala	Ala	Asp	Phe	Leu	Leu	Ile	Ser	Asn	Leu	Pro	Leu	Arg
				170					175					180
Val	Asp	Tyr	Tyr	Leu	Leu	His	Glu	Thr	Trp	Arg	Phe	Gly	Ala	Ala
				185					190					195
Ala	Cys	Lys	Val	Asn	Leu	Phe	Met	Leu	Ser	Thr	Asn	Arg	Thr	Ala
				200					205					210
Ser	Val	Val	Phe	Leu	Thr	Ala	Ile	Ala	Leu	Asn	Arg	Tyr	Leu	Lys
				215					220					225
Val	Val	Gln	Pro	His	His	Val	Leu	Ser	Arg	Ala	Ser	Val	Gly	Ala
				230					235					240
Ala	Ala	Arg	Val	Ala	Gly	Gly	Leu	Trp	Val	Gly	Ile	Leu	Leu	Leu
				245					250					255
Asn	Gly	His	Leu	Leu	Leu	Ser	Thr	Phe	Ser	Gly	Pro	Ser	Cys	Leu
				260					265					270
Ser	Tyr	Arg	Val	Gly	Thr	Lys	Pro	Ser	Ala	Ser	Leu	Arg	Trp	His
				275					280					285
Gln	Ala	Leu	Tyr	Leu	Leu	Glu	Phe	Phe	Leu	Pro	Leu	Ala	Leu	Ile
				290					295					300
Leu	Phe	Ala	Ile	Val	Ser	Ile	Gly	Leu	Thr	Ile	Arg	Asn	Arg	Gly
				305					310					315
Leu	Gly	Gly	Gln	Ala	Gly	Pro	Gln	Arg	Ala	Met	Arg	Val	Leu	Ala
				320					325					330
Met	Val	Val	Ala	Val	Tyr	Thr	Ile	Cys	Phe	Leu	Pro	Ser	Ile	Ile
				335					340					345
Phe	Gly	Met	Ala	Ser	Met	Val	Ala	Phe	Trp	Leu	Ser	Ala	Cys	Arg
				350					355					360
Ser	Leu	Asp	Leu	Cys	Thr	Gln	Leu	Phe	His	Gly	Ser	Leu	Ala	Phe
				365					370					375
Thr	Tyr	Leu	Asn	Ser	Val	Leu	Asp	Pro	Val	Leu	Tyr	Cys	Phe	Ser
				380					385					390
Ser	Pro	Asn	Phe	Leu	His	Gln	Ser	Arg	Ala	Leu	Leu	Gly	Leu	Thr
				395					400					405

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<210> 7
<211> 453
<212> PRT
<213> Homo sapiens
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<220>
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<223> Incyte ID No: 3393757CD1
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Pro	Ser	Val	Val	Gly	Leu	Val	Ser	Ile	Pro	Gly	Met	Gly	Lys	Leu	
				20					25						30
Leu	Ala	Glu	Ala	Pro	Leu	Val	Leu	Glu	Pro	Glu	Lys	Gln	Met	Leu	
				35					40						45
Leu	His	Glu	Thr	His	Gln	Gly	Leu	Leu	Gln	Asp	Gly	Ser	Pro	Ile	
				50					55						60
Leu	Leu	Ser	Asp	Val	Ile	Ser	Ala	Phe	Leu	Ser	Asn	Asn	Asp	Thr	
				65					70						75
Gln	Asn	Leu	Ser	Ser	Pro	Val	Thr	Phe	Thr	Phe	Ser	His	Arg	Ser	
				80					85						90
Val	Ile	Pro	Arg	Gln	Lys	Val	Leu	Cys	Val	Phe	Trp	Glu	His	Gly	
				95					100						105
Gln	Asn	Gly	Cys	Gly	His	Trp	Ala	Thr	Thr	Gly	Cys	Ser	Thr	Ile	
				110					115						120
Gly	Thr	Arg	Asp	Thr	Ser	Thr	Ile	Cys	Arg	Cys	Thr	His	Leu	Ser	
				125					130						135
Ser	Phe	Ala	Val	Leu	Met	Ala	His	Tyr	Asp	Val	Gln	Glu	Glu	Asp	
				140					145						150
Pro	Val	Leu	Thr	Val	Ile	Thr	Tyr	Met	Gly	Leu	Ser	Val	Ser	Leu	
				155					160						165
Leu	Cys	Leu	Leu	Leu	Ala	Ala	Leu	Thr	Phe	Leu	Leu	Cys	Lys	Ala	
				170					175						180
Ile	Gln	Asn	Thr	Ser	Thr	Ser	Leu	His	Leu	Gln	Leu	Ser	Leu	Cys	
				185					190						195
Leu	Phe	Leu	Ala	His	Leu	Leu	Phe	Leu	Val	Ala	Ile	Asp	Gln	Thr	
				200					205						210
Gly	His	Lys	Val	Leu	Cys	Ser	Ile	Ile	Ala	Gly	Thr	Leu	His	Tyr	
				215					220						225
Leu	Tyr	Leu	Ala	Thr	Leu	Thr	Trp	Met	Leu	Leu	Glu	Ala	Leu	Tyr	
				230					235						240
Leu	Phe	Leu	Thr	Ala	Arg	Asn	Leu	Thr	Val	Val	Asn	Tyr	Ser	Ser	
				245					250						255

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Ile Asn Arg Phe Met Lys Lys Leu Met Phe Pro Val Gly Tyr Gly
      260      265      270
Val Pro Ala Val Thr Val Ala Ile Ser Ala Ala Ser Arg Pro His
      275      280      285
Leu Tyr Gly Thr Pro Ser Arg Cys Trp Leu Gln Pro Glu Lys Gly
      290      295      300
Phe Ile Trp Gly Phe Leu Gly Pro Val Cys Ala Ile Phe Ser Val
      305      310      315
Asn Leu Val Leu Phe Leu Val Thr Leu Trp Ile Leu Lys Asn Arg
      320      325      330
Leu Ser Ser Leu Asn Ser Glu Val Ser Thr Leu Arg Asn Thr Arg
      335      340      345
Met Leu Ala Phe Lys Ala Thr Ala Gln Leu Phe Ile Leu Gly Cys
      350      355      360
Thr Trp Cys Leu Gly Ile Leu Gln Val Gly Pro Ala Ala Arg Val
      365      370      375
Met Ala Tyr Leu Phe Thr Ile Ile Asn Ser Leu Gln Gly Val Phe
      380      385      390
Ile Phe Leu Val Tyr Cys Leu Leu Ser Gln Gln Val Arg Glu Gln
      395      400      405
Tyr Gly Lys Trp Ser Lys Gly Ile Arg Lys Leu Lys Thr Glu Ser
      410      415      420
Glu Met His Thr Leu Ser Ser Ser Ala Lys Ala Asp Thr Ser Lys
      425      430      435
Pro Ser Thr Val Arg Ser Arg Ile Ala Pro Glu His Phe Thr Asn
      440      445      450
Arg Pro Thr

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<210> 8

<211> 442

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 312256CD1

<400> 8

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Ala Ala Ala Ala Ala Pro Pro Gly Leu Arg Leu Arg Leu Leu Leu
      20      25      30
Leu Leu Phe Ser Ala Ala Ala Leu Ile Pro Thr Gly Asp Gly Gln
      35      40      45
Asn Leu Phe Thr Lys Asp Val Thr Val Ile Glu Gly Glu Val Ala
      50      55      60
Thr Ile Ser Cys Gln Val Asn Lys Ser Asp Asp Ser Val Ile Gln
      65      70      75
Leu Leu Asn Pro Asn Arg Gln Thr Ile Tyr Phe Arg Asp Phe Arg
      80      85      90
Pro Leu Lys Asp Ser Arg Phe Gln Leu Leu Asn Phe Ser Ser Ser
      95      100      105
Glu Leu Lys Val Ser Leu Thr Asn Val Ser Ile Ser Asp Glu Gly

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Arg Tyr Phe Cys Gln Leu Tyr Thr Asp	Pro Pro Gln Glu Ser Tyr	110	115	120
Thr Thr Ile Thr Val Leu Val Pro Pro	Arg Asn Leu Met Ile Asp	125	130	135
Ile Gln Lys Asp Thr Ala Val Glu Gly	Glu Glu Ile Glu Val Asn	140	145	150
Cys Thr Ala Met Ala Ser Lys Pro Ala	Thr Thr Ile Arg Trp Phe	155	160	165
Lys Gly Asn Thr Glu Leu Lys Gly Lys	Ser Glu Val Glu Glu Trp	170	175	180
Ser Asp Met Tyr Thr Val Thr Ser Gln	Leu Met Leu Lys Val His	185	190	195
Lys Glu Asp Asp Gly Val Pro Val Ile	Cys Gln Val Glu His Pro	200	205	210
Ala Val Thr Gly Asn Leu Gln Thr Gln	Arg Tyr Leu Glu Val Gln	215	220	225
Tyr Lys Pro Gln Val His Ile Gln Met	Thr Tyr Pro Leu Gln Gly	230	235	240
Leu Thr Arg Glu Gly Asp Ala Leu Glu	Leu Thr Cys Glu Ala Ile	245	250	255
Gly Lys Pro Gln Pro Val Met Val Thr	Trp Val Arg Val Asp Asp	260	265	270
Glu Met Pro Gln His Ala Val Leu Ser	Gly Pro Asn Leu Phe Ile	275	280	285
Asn Asn Leu Asn Lys Thr Asp Asn Gly	Thr Tyr Arg Cys Glu Ala	290	295	300
Ser Asn Ile Val Gly Lys Ala His Ser	Asp Tyr Met Leu Tyr Val	305	310	315
Tyr Asp Pro Pro Thr Thr Ile Pro Pro	Pro Thr Thr Thr Thr Thr	320	325	330
Thr Thr Thr Thr Thr Thr Thr Thr Ile	Leu Thr Ile Ile Thr Asp	335	340	345
Ser Arg Ala Gly Glu Gly Ser Ile Arg	Ala Val Asp His Ala	350	355	360
Val Ile Gly Gly Val Val Ala Val Val	Val Phe Ala Met Leu Cys	365	370	375
Leu Leu Ile Ile Leu Gly Arg Tyr Phe	Ala Arg His Lys Gly Thr	380	385	390
Tyr Phe Thr His Glu Ala Lys Gly Ala	Asp Asp Ala Ala Asp Ala	395	400	405
Asp Thr Ala Ile Ile Asn Ala Glu Gly	Gly Gln Asn Asn Ser Glu	410	415	420
Glu Lys Lys Glu Tyr Phe Ile		425	430	435
		440		

<210> 9

<211> 382

<212> PRT

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<223> Incyte ID No: 1615704CD1

<400> 9

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<213> Homo sapiens
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Met	Gln	Leu	Gly	Ser	Val	Leu	Leu	Thr	Arg	Cys	Pro	Phe	Trp	Gly
				20					25					30
Cys	Phe	Ser	Gln	Leu	Met	Leu	Tyr	Ala	Glu	Arg	Ala	Glu	Ala	Arg
				35					40					45
Arg	Lys	Pro	Asp	Ile	Pro	Val	Pro	Tyr	Leu	Tyr	Phe	Asp	Met	Gly
				50					55					60
Ala	Ala	Val	Leu	Cys	Ala	Ser	Phe	Met	Ser	Phe	Gly	Val	Lys	Arg
				65					70					75
Arg	Trp	Phe	Ala	Leu	Gly	Ala	Ala	Leu	Gln	Leu	Ala	Ile	Ser	Thr
				80					85					90
Tyr	Ala	Ala	Tyr	Ile	Gly	Gly	Tyr	Val	His	Tyr	Gly	Asp	Trp	Leu
				95					100					105
Lys	Val	Arg	Met	Tyr	Ser	Arg	Thr	Val	Ala	Ile	Ile	Gly	Gly	Phe
				110					115					120
Leu	Val	Leu	Ala	Ser	Gly	Ala	Gly	Glu	Leu	Tyr	Arg	Arg	Lys	Pro
				125					130					135
Arg	Ser	Arg	Ser	Leu	Gln	Ser	Thr	Gly	Gln	Val	Phe	Leu	Gly	Ile
				140					145					150
Tyr	Leu	Ile	Cys	Val	Ala	Tyr	Ser	Leu	Gln	His	Ser	Lys	Glu	Asp
				155					160					165
Arg	Leu	Ala	Tyr	Leu	Asn	His	Leu	Pro	Gly	Gly	Glu	Leu	Met	Ile
				170					175					180
Gln	Leu	Phe	Phe	Val	Leu	Tyr	Gly	Ile	Leu	Ala	Leu	Ala	Phe	Leu
				185					190					195
Ser	Gly	Tyr	Tyr	Val	Thr	Leu	Ala	Ala	Gln	Ile	Leu	Ala	Val	Leu
				200					205					210
Leu	Pro	Pro	Val	Met	Leu	Leu	Ile	Asp	Gly	Asn	Val	Ala	Tyr	Trp
				215					220					225
His	Asn	Thr	Arg	Arg	Val	Glu	Phe	Trp	Asn	Gln	Met	Lys	Leu	Leu
				230					235					240
Gly	Glu	Ser	Val	Gly	Ile	Phe	Gly	Thr	Ala	Val	Ile	Leu	Ala	Thr
				245					250					255
Asp Gly														

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<210> 11
<211> 697
<212> PRT
<213> Homo sapiens
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<220>  
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<223> Incyte ID No: 2120743CD1

<400> 11

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Ala	Met	Thr	Arg	Leu	Glu	Glu	Val	Asn	Arg	Glu	Val	Asn	Met	His	30
				20					25						
Ser	Ser	Val	Arg	Tyr	Leu	Gly	Tyr	Leu	Ala	Arg	Ile	Asn	Leu	Leu	45
				35					40						
Val	Ala	Ile	Cys	Leu	Gly	Leu	Tyr	Val	Arg	Trp	Glu	Lys	Thr	Ala	60
				50					55						
Asn	Ser	Leu	Ile	Leu	Val	Ile	Phe	Ile	Leu	Gly	Leu	Phe	Val	Leu	75
				65					70						
Gly	Ile	Ala	Ser	Ile	Leu	Tyr	Tyr	Tyr	Phe	Ser	Met	Glu	Ala	Ala	90
				80					85						
Ser	Leu	Ser	Leu	Ser	Asn	Leu	Trp	Phe	Gly	Phe	Leu	Leu	Gly	Leu	105
				95					100						
Leu	Cys	Phe	Leu	Asp	Asn	Ser	Ser	Phe	Lys	Asn	Asp	Val	Lys	Glu	120
				110					115						
Glu	Ser	Thr	Lys	Tyr	Leu	Leu	Leu	Thr	Ser	Ile	Val	Leu	Arg	Ile	135
				125					130						
Leu	Cys	Ser	Leu	Val	Glu	Arg	Ile	Ser	Gly	Tyr	Val	Arg	His	Arg	150
				140					145						
Pro	Thr	Leu	Leu	Thr	Thr	Val	Glu	Phe	Leu	Glu	Leu	Val	Gly	Phe	165
				155					160						
Ala	Ile	Ala	Ser	Thr	Thr	Met	Leu	Val	Glu	Lys	Ser	Leu	Ser	Val	180
				170					175						
Ile	Leu	Leu	Val	Val	Ala	Leu	Ala	Met	Leu	Ile	Ile	Asp	Leu	Arg	195
				185					190						
Met	Lys	Ser	Phe	Leu	Ala	Ile	Pro	Asn	Leu	Val	Ile	Phe	Ala	Val	210
				200					205						
Leu	Leu	Phe	Phe	Ser	Ser	Leu	Glu	Thr	Pro	Lys	Asn	Pro	Ile	Ala	225
				215					220						
Phe	Ala	Cys	Phe	Phe	Ile	Cys	Leu	Ile	Thr	Asp	Pro	Phe	Leu	Asp	240
				230					235						
Ile	Tyr	Phe	Ser	Gly	Leu	Ser	Val	Thr	Glu	Arg	Trp	Lys	Pro	Phe	255
				245					250						
Leu	Tyr	Arg	Gly	Arg	Ile	Cys	Arg	Arg	Leu	Ser	Val	Val	Phe	Ala	270
				260					265						
Gly	Met	Ile	Glu	Leu	Thr	Phe	Phe	Ile	Leu	Ser	Ala	Phe	Lys	Leu	285
				275					280						
Arg	Asp	Thr	His	Leu	Trp	Tyr	Phe	Val	Ile	Pro	Gly	Phe	Ser	Ile	300
				290					295						
Phe	Gly	Ile	Phe	Trp	Met	Ile	Cys	His	Ile	Ile	Phe	Leu	Leu	Thr	315
				305					310						
Leu	Trp	Gly	Phe	His	Thr	Lys	Leu	Asn	Asp	Cys	His	Lys	Val	Tyr	330
				320					325						
Phe	Thr	His	Arg	Thr	Asp	Tyr	Asn	Ser	Leu	Asp	Arg	Ile	Met	Ala	345
				335					340						
Ser	Lys	Gly	Met	Arg	His	Phe	Cys	Leu	Ile	Ser	Glu	Gln	Leu	Val	360
				350					355						
Phe	Phe	Ser	Leu	Leu	Ala	Thr	Ala	Ile	Leu	Gly	Ala	Val	Ser	Trp	375
				365					370						
Gln	Pro	Thr	Asn	Gly	Ile	Phe	Leu	Ser	Met	Phe	Leu	Ile	Val	Leu	390
				380					385						

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Pro Leu Glu Ser Met Ala His Gly Leu Phe His Glu Leu Gly Asn
 395 400 405
 Cys Leu Gly Gly Thr Ser Val Gly Tyr Ala Ile Val Ile Pro Thr
 410 415 420
 Asn Phe Cys Ser Pro Asp Gly Gln Pro Thr Leu Leu Pro Pro Glu
 425 430 435
 His Val Gln Glu Leu Asn Leu Arg Ser Thr Gly Met Leu Asn Ala
 440 445 450
 Ile Gln Arg Phe Phe Ala Tyr His Met Ile Glu Thr Tyr Gly Cys
 455 460 465
 Asp Tyr Ser Thr Ser Gly Leu Ser Phe Asp Thr Leu His Ser Lys
 470 475 480
 Leu Lys Ala Phe Leu Glu Leu Arg Thr Val Asp Gly Pro Arg His
 485 490 495
 Asp Thr Tyr Ile Leu Tyr Tyr Ser Gly His Thr His Gly Thr Gly
 500 505 510
 Glu Trp Ala Leu Ala Gly Gly Asp Thr Leu Arg Leu Asp Thr Leu
 515 520 525
 Ile Glu Trp Trp Arg Glu Lys Asn Gly Ser Phe Cys Ser Arg Leu
 530 535 540
 Ile Ile Val Leu Asp Ser Glu Asn Ser Thr Pro Trp Val Lys Glu
 545 550 555
 Val Arg Lys Ile Asn Asp Gln Tyr Ile Ala Val Gln Gly Ala Glu
 560 565 570
 Leu Ile Lys Thr Val Asp Ile Glu Glu Ala Asp Pro Pro Gln Leu
 575 580 585
 Gly Asp Phe Thr Lys Asp Trp Val Glu Tyr Asn Cys Asn Ser Ser
 590 595 600
 Asn Asn Ile Cys Trp Thr Glu Lys Gly Arg Thr Val Lys Ala Val
 605 610 615
 Tyr Gly Val Ser Lys Arg Trp Ser Asp Tyr Thr Leu His Leu Pro
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 Thr Gly Ser Asp Val Ala Lys His Trp Met Leu His Phe Pro Arg
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 Ile Thr Tyr Pro Leu Val His Leu Ala Asn Trp Leu Cys Gly Leu
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 Asn Leu Phe Trp Ile Cys Lys Thr Cys Phe Arg Cys Leu Lys Arg
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 <213> Homo sapiens

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Gly	Cys	Leu	Gly	His	Gly	Ala	Leu	Val	Leu	Gln	Leu	Leu	Ser	Phe
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Met	Leu	Leu	Ala	Gly	Val	Leu	Val	Ala	Ile	Leu	Val	Gln	Val	Ser
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Lys	Val	Pro	Ser	Ser	Leu	Ser	Gln	Glu	Gln	Ser	Glu	Gln	Asp	Ala
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Ile	Tyr	Gln	Asn	Leu	Thr	Gln	Leu	Lys	Ala	Ala	Val	Gly	Glu	Leu
				65					70					75
Ser	Glu	Lys	Ser	Lys	Leu	Gln	Glu	Ile	Tyr	Gln	Glu	Leu	Thr	Gln
				80					85					90
Leu	Lys	Ala	Ala	Val	Gly	Glu	Leu	Pro	Glu	Lys	Ser	Lys	Leu	Gln
				95					100					105
Glu	Ile	Tyr	Gln	Glu	Leu	Thr	Arg	Leu	Lys	Ala	Ala	Val	Gly	Glu
				110					115					120
Leu	Pro	Glu	Lys	Ser	Lys	Leu	Gln	Glu	Ile	Tyr	Gln	Glu	Leu	Thr
				125					130					135
Arg	Leu	Lys	Ala	Ala	Val	Gly	Glu	Leu	Pro	Glu	Lys	Ser	Lys	Leu
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Gln	Glu	Ile	Tyr	Gln	Glu	Leu	Thr	Arg	Leu	Lys	Ala	Ala	Val	Gly
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Glu	Leu	Pro	Asp	Gln	Ser	Lys	Gln	Gln	Gln	Ile	Tyr	Gln	Glu	Leu
				170					175					180
Thr	Asp	Leu	Lys	Thr	Ala	Phe	Glu	Arg	Leu	Cys	Arg	His	Cys	Pro
				185					190					195
Lys	Asp	Trp	Thr	Phe	Phe	Gln	Gly	Asn	Cys	Tyr	Phe	Met	Ser	Asn
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Ser	Gln	Arg	Asn	Trp	His	Asp	Ser	Val	Thr	Ala	Cys	Gln	Glu	Val
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Arg	Ala	Gln	Leu	Val	Val	Ile	Lys	Thr	Ala	Glu	Glu	Gln	Asn	Phe
				230					235					240
Leu	Gln	Leu	Gln	Thr	Ser	Arg	Ser	Asn	Arg	Phe	Ser	Trp	Met	Gly
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Leu	Ser	Asp	Leu	Asn	Gln	Glu	Gly	Thr	Trp	Gln	Trp	Val	Asp	Gly
				260					265					270
Ser	Pro	Leu	Ser	Pro	Ser	Phe	Gln	Arg	Tyr	Trp	Asn	Ser	Gly	Glu
				275					280					285
Pro	Asn	Asn	Ser	Gly	Asn	Glu	Asp	Cys	Ala	Glu	Phe	Ser	Gly	Ser
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Gly	Trp	Asn	Asp	Asn	Arg	Cys	Asp	Val	Asp	Asn	Tyr	Trp	Ile	Cys
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Leu Gly Trp Cys Ser Arg Arg Pro Leu Arg Pro Leu Pro Ser Val			
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Phe Tyr Met Leu Val Cys Gly Leu Thr Val Thr Asp Leu Leu Gly			
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Lys Cys Leu Leu Ser Pro Val Val Leu Ala Ala Tyr Ala Gln Asn			
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Arg Ser Leu Arg Val Leu Ala Pro Ala Leu Asp Asn Ser Leu Cys			
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Gln Ala Phe Ala Phe Phe Met Ser Phe Phe Gly Leu Ser Ser Thr			
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Leu Gln Leu Leu Ala Met Ala Leu Glu Cys Trp Leu Ser Leu Gly			
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His Pro Phe Phe Tyr Arg Arg His Ile Thr Leu Arg Leu Gly Ala			
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Leu Val Ala Pro Val Val Ser Ala Phe Ser Leu Ala Phe Cys Ala			
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Leu Pro Phe Met Gly Phe Gly Lys Phe Val Gln Tyr Cys Pro Gly			
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Thr Trp Cys Phe Ile Gln Met Val His Glu Glu Gly Ser Leu Ser			
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Val Leu Gly Tyr Ser Val Leu Tyr Ser Ser Leu Met Ala Leu Leu			
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Val Leu Ala Thr Val Leu Cys Asn Leu Gly Ala Met Arg Asn Leu			
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Tyr Ala Met His Arg Arg Leu Gln Arg His Pro Arg Ser Cys Thr			
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Arg Asp Cys Ala Glu Pro Arg Ala Asp Gly Arg Glu Ala Ser Pro			
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Gln Pro Leu Glu Glu Leu Asp His Leu Leu Leu Leu Ala Leu Met			
	260	265	270
Thr Val Leu Phe Thr Met Cys Ser Leu Pro Val Ile Tyr Arg Ala			
	275	280	285
Tyr Tyr Gly Ala Phe Lys Asp Val Lys Glu Lys Asn Arg Thr Ser			
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Glu Glu Pro Glu Arg Pro Pro Ser Leu Ala Ile Ser Ile Cys Asp			
	305	310	315
Val Asn Cys Gly Pro Leu Asp Ser Tyr His Phe Gln Ile Ser Ser			
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Ile Ser Asp Ile Phe Ser Gln Asp Phe Ser Leu Asp Leu Leu Gly			
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[illegible]

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 <213> Homo sapiens

<220>
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<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2120743CB1

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